AMENDMENTS TO THE CLAIMS

Claims 1-32 (CANCELLED)

33. (New) A crosstalk elimination circuit that corrects a display signal input to each of a plurality of picture element electrodes provided in a liquid crystal panel to eliminate crosstalk of a liquid crystal display apparatus using the liquid crystal panel, the circuit comprising:

an LUT that inputs a display signal of a correction target picture element and a display signal of an adjacent picture element adjacent to a source line of the correction target picture element in a certain vertical direction, the LUT outputting a correction signal for correcting the display signal of the correction target picture element, and

an adjacent picture element correction LUT for correcting the display signal of the adjacent picture element adjacent to the correction target picture element, wherein the adjacent picture element correction LUT uses a display signal of a next adjacent picture element adjacent to a source line of the adjacent picture element in a certain vertical direction and the display signal of the adjacent picture element to extract correction value data of the adjacent picture element, which are output as an adjacent picture element correction signal, and wherein the LUT for correcting the correction target picture element inputs the display signal of the adjacent picture element corrected with the use of the signal output from the adjacent picture element correction LUT and the display signal of the correction target picture element to extract the correction data of the correction target picture element.

34. (New) The crosstalk elimination circuit as defined in claim 33, wherein signal level intervals for setting the correction value data in the adjacent picture element correction LUT are established more roughly than the signal level intervals for setting the correction value data in the LUT for correcting the correction target picture element.

35. (New) The crosstalk elimination circuit as defined in claim 33, wherein signal level intervals for setting correction value data in the LUT are established roughly by a predetermined level width relative to a level width that may be achieved by the signal level of the display signal input to each picture element electrode.

36. (New) The crosstalk elimination circuit as defined in claim 35, wherein when extracting from the LUT the correction value data corresponding to the signal level between the signal levels with the correction value data set, the target correction value data are extracted by performing linear interpolation between the signal levels.

37. (New) The crosstalk elimination circuit as defined in claim 36, wherein when the LUT is created by omitting regions where the correction value data are zero which are extracted with the use of the signal level of the correction target picture element and the signal level of the adjacent picture element and when the linear interpolation is performed between a signal level having the correction value data of zero and a signal level set adjacently to the signal level, the target correction value data are extracted by performing the linear interpolation between the correction value data of the adjacently set signal level and fixed correction value data 0 defined in advance.

38. (New) The crosstalk elimination circuit as defined in claim 35, wherein the signal level intervals for setting the correction value data in the LUT are established with finer intervals of the signal levels of the correction target picture element as compared to the signal levels of the adjacent picture element.

39. (New) The crosstalk elimination circuit as defined in claim 33, wherein the LUT is disposed for each primary color of RGB to enable individual setup of the correction value of the LUT for each color.

40. (New) A liquid crystal display apparatus provided with the crosstalk elimination circuit as defined in claim 33.

41. (New) A liquid crystal display apparatus that uses an active matrix type liquid crystal panel with a plurality of picture element electrodes formed in a matrix shape to display color images by applying voltages to the picture element electrodes and by retaining this electric charge for one frame period, the apparatus comprising a correcting portion that corrects a display signal input to each picture element electrode, the correcting portion correcting the display signal to be input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of display signals input to picture element electrodes of the entire screen.

42. (New) The liquid crystal display apparatus as defined in claim 41, wherein the correcting portion generates a correction signal for the display signal to be input to the picture element electrode with the use of the display signals to be input to the picture element electrodes arranged along each source line and the display signal to be input to the picture element electrode.

43. (New) The liquid crystal display apparatus as defined in claim 41, wherein the correcting portion corrects the display signal to be input to the picture element electrode during a period after the display signal is input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

44. (New) The liquid crystal display apparatus as defined in claim 42, wherein the correcting portion generates the correction signal for the display signal to be input to the picture element electrode during a period after the timing when the display signal should be input to the picture element electrode with the use of a display signal to be input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.

45. (New) The liquid crystal display apparatus as defined in claim 41, wherein the correcting portion corrects the display signal to be input to the picture element electrode during a period before the display signal is input to the picture element electrode such that the display luminance

of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

46. (New) The liquid crystal display apparatus as defined in claim 42, wherein the correcting portion generates the correction signal for the display signal to be input to the picture element electrode during a period before the timing when the display signal should be input to the picture element electrode with the use of a display signal input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.

47. (New) A crosstalk elimination circuit of a liquid crystal display apparatus that uses an active matrix type liquid crystal panel with a plurality of picture element electrodes formed in a matrix shape to display color images by applying voltages to the picture element electrodes and by retaining this electric charge for one frame period, the apparatus comprising a correcting portion that corrects a display signal input to each picture element electrode, the correcting portion correcting the display signal to be input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of display signals input to picture element electrodes of the entire screen.

48. (New) The crosstalk elimination circuit as defined in claim 47, wherein the correcting portion generates a correction signal for the display signal to be input to the picture element electrode

with the use of the display signals to be input to the picture element electrodes arranged along each source line and the display signal to be input to the picture element electrode.

49. (New) The crosstalk elimination circuit as defined in claim 47, wherein the correcting portion corrects the display signal to be input to the picture element electrode during a period after the display signal is input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

50. (New) The crosstalk elimination circuit as defined in claim 48, wherein the correcting portion generates the correction signal for the display signal to be input to the picture element electrode during a period after the timing when the display signal should be input to the picture element electrode with the use of a display signal to be input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.

51. (New) The crosstalk elimination circuit as defined in claim 47, wherein the correcting portion corrects the display signal to be input to the picture element electrode during a period before the display signal is input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

52. (New) The crosstalk elimination circuit as defined in claim 48, wherein the correcting portion generates the correction signal for the display signal to be input to the picture element electrode during a period before the timing when the display signal should be input to the picture element electrode with the use of a display signal input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.

53. (New) A display control method of a liquid crystal display apparatus that uses an active matrix type liquid crystal panel with a plurality of picture element electrodes formed in a matrix shape to display color images by applying voltages to the picture element electrodes and by retaining this electric charge for one frame period, the method including a correcting step of correcting a display signal input to each picture element electrode, at the correcting step, the display signal to be input to the picture element electrode being corrected such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of display signals input to picture element electrodes of the entire screen.

54. (New) The display control method as defined in claim 53, wherein at the correcting step, a correction signal for the display signal to be input to the picture element electrode is generated with the use of the display signals to be input to the picture element electrodes arranged along each source line and the display signal to be input to the picture element electrode.

55. (New) The display control method as defined in claim 53, wherein at the correcting step, the display signal to be input to the picture element electrode is corrected during a period after the display signal is input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

56. (New) The display control method as defined in claim 54, wherein at the correcting step, the correction signal for the display signal to be input to the picture element electrode is generated during a period after the timing when the display signal should be input to the picture element electrode with the use of a display signal to be input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.

57. (New) The display control method as defined in claim 53, wherein at the correcting step, the display signal to be input to the picture element electrode is corrected during a period before the display signal is input to the picture element electrode such that the display luminance of the picture element has a color difference $\Delta E=6.5$ or less relative to the display luminance that should actually be displayed, regardless of a display signal input to a picture element electrode other than the picture element electrode.

58. (New) The display control method as defined in claim 54, wherein at the correcting step, the correction signal for the display signal to be input to the picture element electrode is generated

during a period before the timing when the display signal should be input to the picture element electrode with the use of a display signal input to a picture element electrode other than the picture element electrode and the display signal to be input to the picture element electrode.